

Effect of Organic Mineral Fertilizers on Soil Fertility
by P. I. Mikishkina

RUSSIAN, per, Pochvovedenie, 1948, pp 268-274.
CIA D 432374

USSR
Scientific - Biology

USDA

32,288

Mar 56

RT-3629

Soil Science, by V. R. Vil'yams,
RUSSIAN, Ek. Pochvovedeniye, 1949, 471 pp.
*CBSTI TT 67-51283

Sci-Ear Sci
Nov 66

56/49-L T-323 - 4201-00-10-152/49

Pochroved No. 1, 1949

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The Mean Elementary Composition of Soils, by S. A.
Kudrin, 10 pp.

RUSSIAN, Pochroved, 1949, No 9, pp 505-517.

Sci Museum Lib No 51/3476 - London

Sci - Geophysics

Gerasimov, I. P.
THE PROJECT OF THE PROGRAM OF THE STATE
SOIL MAP OF THE USSR (Proekt Programmy Gosudar-
stvennoi Pochvennoi Karty SSSR). [Nov 61] 10p.
PL-480 Agr.
Order from OTS \$0.50

60-21848

Trans. of Pochvovedenie (USSR) 1949, no. 10,
p. 611-618.

DESCRIPTORS: *Soils, *Agriculture, *Maps, Docu-
mentation, Earth.

This paper presents in thesis form the basic principles
of the project program and summary scale of conven-
tional symbols for the USSR State soil map, developed
at the Dokuchaev Soil Institute.

(Agriculture, TT, v. 7, no. 2)

60-21848

- I. Gerasimov, I. P.
- II. PL-480 Agr (60-21848)
- III. National Science Foun-
dation, Washington, D. C.

Ciri 909 7180

Office of Technical Services

Agro-Hydrological Properties of the Main Soil
Types of Kazakhstan, by A. D. Kopyt.

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pp 394-399.

OTS-60-41078
(PL 480)

118,733

Sci - Geography
Jun 60

The Interaction of the Group of Crenic and Apocrenic
Acids, Fulvic Acids with the Hydroxides of Bases, by
V. Ponomareva.

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638-651.

CSIRO-3394

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Aug 59

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The Question of Eluvial Soils^s, by Poluinov, B. B.
RUSSIAN, par, Pochvovedenie, 1949, pp 682-683.

Sci Museum Lib No 50/2804

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On the Term "Elavium" and its Derivatives, by
Gherasimov, I. P.

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Acids: Hydrolysis of Humic Acids and Express
Methods for Determining the Functional Groups,
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pp 131-137.
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Sci-Comm
Aug 65

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Akimsev, V.V.
SOLS ET QUALITÉ DES VINS (Soils and Quality of
Wines), 13p. 10 refs. CNRS-II 33.
Order from OTS, ETC or CNRS \$1.60 TT-62-28848

Trans. in French of Pochvovedenie (USSR) 1950, no. 5,
p. 296-304.

DESCRIPTORS: *Alcohols, Plants (Botany), Soils,
*Agriculture.

TT-62-28848

I. Akimsev, V.V.
II. CNRS-II 33
III. Centre National de la Recherche Scientifique, Paris

(Agriculture--Plant Cultivation, TT, v. III, no. 9)

Office of Technical Services
European Translations Centre

Bazilevich, N. I. and Kurganskiy, A. G.
DAS BEWASSERUNGSPROBLEM DES MITTLEREN
WOLGA-LANDES (Problema Orosheniya Srednego
Povolzh'ya). [1961] [9]p. 6 refs. TL 951; [DSIR LLU]
M 2092.
Order from OTS or SLA \$1. 10

61-13449

Trans. in German of Pochvovedeniye (USSR) 1950,
no. 12, p. 713-718 (pub. in Sowjetwissenschaft.
Naturwissenschaftliche [Beiträge] (West Germany)
1951, v. 4, no. 2).

DESCRIPTORS: *Irrigation systems, *Soils, *Climate,
USSR, Agriculture.

(Engineering--Civil, TT, v. 6, no. 3)

61-13449

I. Bazilevich, N. I.
II. Kurganskiy, A. G.
III. Trans-T/L-951
IV. DSIR LLU M. 2092

175191

Office of Technical Services

Utilization of Waste Gumbo for the Purpose of
Increasing Productivity of Agricultural Crops,
by D. M. Guseinov.

RUSSIAN,
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USDA Trans 324

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Economic - Agriculture, crops
Scientific - Biology, crops

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Soil Atmosphere As A Source Of Organic Nutrients
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Oct. 62

A New Drill for Taking Samples of Frozen
Ground With the Structure Undisturbed, by A. M.
Pechelinsev

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Def Sci Info Sv, DRB Canada,
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Scientific - Geophysics

Jul 53 DEX

4150

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Parfenova, N. I., and Troitzkiy, A. I.

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Sci Museum Lib No 52/0463

Best Agricultural Lands in the Mountains of the
Extreme North of USSR, by K. P. Bogatyrev.

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pp 489-492. CIA D 9008113

USDA

USSR - Economic

Mar 57 CIB/dex

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The Accumulation of Nitrates in Turkmenian Termite
Mounds, 6 pp, by KOZLOVA, A. V.

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Soils of the Caspian Lowland, by A. M. Petelin,
A. A. Sokolov, 10 pp.

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OTS 60-21831
PL 460
PBT 190

USDA - GAO

Dec 60

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Role of the Root Mass in the Desalinization
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Apr 62

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Chemico-Geographical Regularities in the
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by V. R. Volobuev, 10 pp.

RUSSIAN, per. Pochvovedenie, No 2, 1952, pp 117-123.

Sci Trans Center RT-961

Scientific - *Geophysics*
~~Chemistry~~

CTS/DEK

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63-11082

Nogina, N. A.
CONCERNING THE STRAW-YELLOW-PODZOLIC
SOILS OF BELO-RUSSIA (O Palevo-Podzolistykh
Pochvakh Belorussii). 1963, 16p. 7 refs. PL-480 Agr.
Order from OTS \$0.50 63-11082

Trans. of Pochvovedeniye (USSR) 1952, no. 2,
p. 132-144.

DESCRIPTORS: *Soils, *Soil mechanics, Physical
properties, Chemical properties.

(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

- I. Nogina, N. A.
- II. PL-480 Agr (63-11082)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

The Loess Problem and the Formation of Serozem,
by A. N. Rozanov, 23 pp. 9080445

RUSSIAN, per, Pochvovedeniye, No 7, 1952,
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OTS 60-21845
PLA80

Sci - Geophys
Sep 61
PST No 246

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A Method of Determining the Acidity of Peat Bog
and Swamp Soils, by N. I. Alyamovskiy

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Co-op Tr Sch 41

Scientific - Chemistry
CTS/DEK

7862

61-31161

Klychnikov, V. M.
A DEVICE FOR DETERMINING THE PERMEABIL-
ITY OF SOILS TO WATER UNDER FIELD CON-
DITIONS (Pribor dlya Opredeleyiya Vodopronitsae-
mosti Pochvogruntoy v Polevykh Usloviyakh). 1962,
13p. 3 refs. PL-480 Agr.
Order from CTS \$0.50

61-31161

Trans. of Pochvovedenie (USSR) 1952, no. 9,
p. 851-859.

DESCRIPTORS: *Soils, *Water, *Permeability,
Determination, Instrumentation, Moisture,
Absorption.

(Agriculture--Plant Cultivation, TT, v. 8, no. 11)

- I. Klychnikov, V. M.
- II. PL-480 Agr (61-31161)
- III. National Science Foundation,
Washington, D. C.

Office of Technical Services

Surmach, G. P.
STUDY OF PERMEABILITY AND RUNOFF ON DETRITAL CHESTNUT SOIL BY THE SPRINKLING METHOD (Izucheniye Vodopronitsaemosti i Stoka na Shechebnistykh Pochvakh po Metody Iskusstvennogo Dozhdevaniya). 1963, 11p. 6 refs. PL-480 Agr.
Order from OTS \$0.50 63-11037

Trans. of Pochvovedenie (USSR) 1952, no. 10, p. 936-944.

9212291 9212311
DESCRIPTORS: *Soils, Porosity, *Drainage, *Erosions, Tests, Moisture, Permeability, Sprinklers.

The work deals with the study of the factors of water permeability and the conditions for the formation of runoff from the least investigated loamy detrital soils of the chestnut type under conditions resembling, as closely as possible, the natural ones, i.e., under sprinkling and in the presence of runoff. (Author) (Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-11037

- I. Surmach, G. P.
- II. PL-480 Agr (63-11037)
- III. National Science Foundation, Washington, D. C.

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OTS-TT 65-60060

Sci-E. Sci & Astron
May 65

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Minor Elements Cu, Zn, Co, and Mn in Some Soil
of Latvian SSR, by A. S. Sharova.

RUSSIAN, per, Pochvovedeniye, Vol III, pp 2-31.

*PL-480

QVS 65- 60007

Sci - Agri
Apr 64

The Effect of a Lucerne Grass Mixture on
the Improvement of the Structure of Western
Precaucasian Chernozems, by M. G. Chizhevskiy,
V. S. Kosinskiy, 11 pp.

RUSSIAN, no per, Pochvoved, No 2, 1953,
pp 52-59.

Sci Trans Center
RT-2094

Scientific - Biology
CTS 70/Jul 55

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A Rapid Method for Determining Soil Moisture,
by P. V. Ivanov, 10 pp.

RUSSIAN, per, Pochvovedenie, No 3, 1953,
pp 61-65.

Sci Trans Center
RT-1676

Scientific - Geophysics

Dec 54 CTE/DEX

14,674

Comparative Study of the Pipette Method and the
Arenometric Method of Mechanical Analysis of Soils,
by A. F. Makarova, E. N. Platova, 23 pp.

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Sci Trans Center
RT-1673

Scientific - Geophysics

Dec 54 CTS/DEX

14,678

What is Needed is a Classification of Soils and Not
Their List, by K. P. Gorshenin, 9 pp.
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NTIS TT 70-57114

July 71

Apparatus for Determining the Volume of Small
Particles (Soil Particles, Fine Seeds, Clover
Nodules, etc), by V. A. Shirshov, 3 pp.

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Sci Tr Center RT-2414

Scientific - Biology
Dec 55 CTS/DEX

29,098

✓ Application of Fertilizers As a Means of Increasing
the Productivity and Fertility of Soils, by A. V.
Sokolov,

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CIA D 432370

USSR
Scientific - Biology

USDA

32,287

Mar 56

On Organizing a Soil Service , by P. G. Aderikhin,
9 pp,

RUSSIAN, per, Pochvovedenie, No 3, pp 55-59, Mar
1954.

SIA R-1578

Sci - Chem
Aug 58

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RESEARCHABILITY OF SOIL STRUCTURE UNDER CONCENTRATED
Irrigation, by F. I. Sheherbak, 9 pp.

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Sci Tr Center RT-1041

Sci - Geophysics

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Improvement of Solonchaks Soils in the USSR
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Spivak, From Review of "Melioratsiya Solontsov
v SSSR", I. N. Antipov-Karatayev, I. V. Tyurin (eds.),
Moscow, 1953, 6 pp.

RUSSIAN, per, Pochvovedenie, No 3, 1954, pp 94-96.

Sci Tr Center
RI-3098

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USSR - Economic, agriculture
Sep 56 CFB/dex

The Present-day Concept of Eluvium and Eluvial
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Sci Ma Lib Tr 55/0630

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Scientific - Biology

Jun 55 CTS

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RUSSIAN, per, Pochvovedeniye, No 5, Mar 1954,
pp 55-59. CIA 9004380

USDA

Author

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Econ

Apr 1957 CTS/dex

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(FDD 25981)

The Nourishment of Plants and the Utilization of
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RUSSIAN, no per, Pochvovedeniye, No 6, Moscow, Jun
1954, pp 48-59.

CIA/FDD U-9199

USSR

Sci - Biology

Eco - Agriculture

Nov 1956/CTB

44, 975

Fundamental Improvement of the Chestnut-Brown
and Brown Zones, by I. N. Antipov-Karatayev.

RUSSIAN, par, Pochvovedenie, No 7, 1954,
pp 93-102.

CSIRO

USSR
Econ - Agriculture
Apr 62

190,460

Evaluating the Nutritive Region^{me} of the Soil by
Chemical Analysis of Plants, by K. P. Magnitskiy

RUSSIAN, per, Pochvovedenie, No 7, 1954, pp 113-125.
CIA D 432339

37-1086
USDA

Scientific - Biology

32,289

Mar 56

Gerastimov, I. P.
SCIENTIFIC PRINCIPLES OF SOIL SYSTEMATICS
AND CLASSIFICATION (Nauchnye Osnovy Siste-
matiki i Klassifikatsii Pochvy). 1962, 15p. 14 refs.
PL-480 Agr.

Order from OTS 30.50

61-11493

Trans. of Pochvovedenie (USSR) 1954, no. 8, p. 52-64

DESCRIPTORS: *Soils, *Classification, *Geological
time, *Temperature, Climatic factors.

An attempt is made to describe the present state of
the problems of the systematization and classification
of USSR soils and to advance a series of propositions,
of principles, that require collective consideration.
(Author)

(Earth Sciences--Geology, TT, v. 7, no. 8)

61-11493

- I. Gerastimov, I. P.
- II. PL-480 Agr (61-11493)
- III. National Science Foun-
dation, Washington, D. C.

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CIA 900676B

UBDA

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Sci - Biology
Nov 1956 CTS/Gen

Interaction Between Humic-Substances and the Mineral
Component of the Soil, by L. N. Aleksandrova, 24 pp.

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Soil Tr Center RT-4205

Sci - Geophysics

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Soil Water and Run-Off Within the Soil. (Analysis of
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20 pp.

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Sci Tr Center

RT - 3677

Sci - Geophysics

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Aug 1956

Rods, A. A.
SOIL WATERS AND SOIL FLOW. - 1954
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In Russian.

APL 480
ARS

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Methods of Energy Investigation in Agronomic
Problems, by A. F. Chudnovskiy

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CIA D 432344

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Scientific - Biology

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Mar 56

RT-678

Aggravating importance of social security, by Sinel'nikov, 19 pp.

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Sci. Tr Ctr RF-3396

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USBR
Scientific - Geophysics
Economic - Agriculture

May 56 CTS/cek

Determining the Water Permeability of Soils During
Sprinkling, by P. G. Abramov.

RUSSIAN, per, Pochvovedenie, No 11, Nov 1954, pp 71-79.
CIA 9016917

USDA

Sci - Geophysics
Mar 58

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Some Urgent Scientific-Research Problems in the
Field of Agronomy, by A. G. Doyarenko

RUSSIAN, per, Pochvovedenie, Vol I, 1955, pp 12-15.
CIA D 440198

USDA

Scientific - Biology

32,653-

Application of Chromatographic Method to Investigation of Fulvic Acids, by T. V. Drozdova, 12 pp.

RUSSIAN, per, Pochvovedenie, No 1, 1955, pp 83-87.

Sci Mus Lib Tr 57/1220

Sci - Chemistry
Aug 57

57,407

The Fundamental Principles of Soil Classification,
by I. P. Gershmanin.

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RUSSIAN, sk, Pochvovedenie, No 2, 1955, pp 3-11.

*PL 1480 OTS 61-11494
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Mar 61

Gorshenin, K. P.
CONCERNING THE BASIC PRINCIPLES OF SOIL
CLASSIFICATION (Ob Osnovnykh Printsipakh Klassi-
fikatsii Pochvy). 1962, 6p. PL-480 Agr.
Order from OTS \$0.50

61-11494

Trans. of Pochvovedenie (USSR) 1955, no. 2, p. 73-78

DESCRIPTORS: *Soils, *Classification, *Geological
time, Mountains, *Geography, Temperature, Cli-
matic factors.

(Earth Sciences--Geology, TT, v. 7, no. 8)

61-11494

- I. Gorshenin, K. P.
II. PL-480 Agr (61-11494)
III. National Science Foun-
dation, Washington, D. C.

CIA 9086876

Office of Technical Services

In Regard to Methods of Determining the Gas Exchange
Between Soil and Atmosphere, and Carbon Dioxide
Content in the Soil Air, by B. N. Nakarov.

RUSSIAN, per, Pochvovedenie, No 2, Feb 1955, pp 85-87.
CIA 9016915

Sci - Geophysics
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ERDL 41/Bureau T-807
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Method for Aggregate Analysis of Soil, by L. A.
Fokurova, 12 pp.

RUSSIAN, per, Pochvovedenie, No 2, 1955, pp 92-93.

SLA R-3156

Sci

Aug 59

93, 626

Conference on Tree Planting for Shelterbelts, by
H. H. Pleschinsky.

RUSSIAN, per, Pochvovedenie, No 2, 1955, pp 94-96.
CIA 9005779

USDA

40,347

USER - Esch
Nov 1956 CFB/dax

Effect of Mole Drainage and Subsoil Plowing on the Water -
Salt Regime in Soils and Yields (of Cereals) Under
Conditions of Baraba, by P. Truss.

RUSSIAN, per, Pochvovedenie, No 4, Apr 1955, pp 62-66.
CIA 9016914

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Geophysics
Mar 58

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Zavalishin, A. A

The question of the present-day position of the problem on the systematics and classification of soils (K voprosu o sovremennom sostoyanii problemy sistematiki i klassifikatsii pochv). --- Pochvovedenie (Moscow), (4): 69-81. 1955. In Russian.

* DTS- 60-21134

On Automatization of Determinating of the Soil
and Ground Moisture, by E. M. Gumenakiy.

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pp 85-89.

CSIRO

Sci - Chem
Apr 62

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Some New Methods of Studying the Porosity and
Structure of Soil, by M. Pol'skiy.

RUSSIAN, per, Pochinovodstvo, No 5, 1955, pp 29-43.

SLA R-3646

Sci

Aug 59

95, 152

Soil Changes Under Shelterbelts in the Conditions
of the Caspian Lowland, by A. P. Biryukova,
9 pp. 9080436

RUSSIAN, Pochvovedeniye, No 6, 1955, pp 60-65.

OT

OTS 60-21872
PL 480

Sci - Geophysics
Sep 61
PST No 262

166, 918

The Positive Influence of Forest Strips
(Shelter Belts) on the Moisture of Cis-Caucasian
Chernozem During the Warm Season, by
A. P. Kalashnikov, 14 pp. 908044.1

RUSSIAN, per, Pochvovedeniye, No 6, 1955,
pp 74-82.

OTS 60-21887
PL 480

Sci - Geophysics
Sep 61.
PST No 272

166 919

Investigation of Nitrogen Nutrition and
Metabolism in Plants by Using N15 Isotope, by
F. V. Turchin, et al.

RUSSIAN, no per, Pochvovedeniye, No 7, 1955,
pp 1-12. CIA 9006524

USDA

See author file: Duplication of article in 5 vol.
work "Conference on Peaceful Uses of Atomic
Energy" translated and published by GPO

Soil Moisture Measurement by Means of Gamma
Rays, by A. I. Danilin.

RUSSIAN, no per, Pochtovedenie, No 7, 1955,
pp 74-83. CIA 9002775

USDA

Scientific - Biology

44, 091

Intake of Labelled Phosphorus by the Plant as a
Function of the Depth of its Application to the
Soil, by I. Moskvina, A. Panova, 5 pp.

RUSSIAN, per, Pochvovedenie, No 7, 1955, pp
92, 93.

SIA R-3617

Sci

Aug 59

95, 150

Practical Laboratory Methods on the Determina-
tion of the Degree of Soil Salinity, by I. N.
Antipov, L Ya. Mamayeva.

RUSSIAN, per, Pochvovedenie, No 8,
1955, pp 61-65.

CSIRO

Sci - Chem
Apr 62

190,463

The Nature of Soil Acidity, by D. Askani,
RUSSIAN, per, Pochvovedenie, ^{No 9} Vol IX, 1955,
p 17-24.

CSIRO 3165

Sci

Jul 58

68,752

Quantitative Relation between the Tension of
Water Vapor and the Amount of Water Absorbed
by the Soil, by N. Sochevanova

RUSSIAN, per, Pochvovedenie, No 9, 1955, pp
49-55.

CSIRO-3087

Sci.
Aug 58

20.377

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Some Data on the Mineralogical Composition
of "Silica Powder" in Forest-Steppe Soils,
by A. A. Rode, I. I. Feofarova. 2 pp.
RUSSIAN, per, Pochvovedeniye, No 9, 1955,
pp 58-59.
*CISTI TT 66-51120

USSR
Sci/16114
Jan 66

The Role of Phosphates in Increasing
Soil Fertility, by A. Dushchkin, et al.

RUSSIAN, per, Pochvovedenie, No 10,
1955, pp 1-10.

CSIRO 3561

Sci - Chem

Mar 62

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